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Terms	Documents
(issuer near3 gateway)	1

Database:

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
**Derwent World Patents Index**  
IBM Technical Disclosure Bulletins

Refine Search:

(issuer near3 gateway)

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DWPI	(issuer near3 gateway)	1	(1) considered all

# Dialog SEARCH strategy

to Dialog

Trying 3106900061...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

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ENTER PASSWORD:

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Welcome to DIALOG

Dialog level 01.04.26D

Last logoff: 11jun01 14:11:06

Logon file001 11jun01 14:11:34

KWIC is set to 50.

HILIGHT set on as '\*'

File 1:ERIC 1966-2001/Jun 05

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Set	Items	Description
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? b 410

11jun01 14:11:41 User260055 Session D73.1

\$0.41 0.117 DialUnits File1

\$0.41 Estimated cost File1

\$0.01 TYMNET

\$0.42 Estimated cost this search

\$0.42 Estimated total session cost 0.117 DialUnits

File 410:Chronolog(R) 1981-2001/May

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Set	Items	Description
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? set hi ;set hi

HILIGHT set on as ''

HILIGHT set on as ''

? b15,9,623,810,275,624,636,621,813,16,160,148,20

11jun01 14:12:55 User260055 Session D73.2

\$0.00 0.057 DialUnits File410

\$0.00 Estimated cost File410

\$0.10 TYMNET

\$0.10 Estimated cost this search

\$0.52 Estimated total session cost 0.174 DialUnits

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File 15:ABI/Inform(R) 1971-2001/Jun 11

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File 9:Business & Industry(R) Jul/1994-2001/Jun 08

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File 623:Business Week 1985-2001/Jun W2

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File 810:Business Wire 1986-1999/Feb 28

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 File 275:Gale Group Computer DB(TM) 1983-2001/Jun 08  
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 File 624:McGraw-Hill Publications 1985-2001/Jun 07  
 (c) 2001 McGraw-Hill Co. Inc  
 File 636:Gale Group Newsletter DB(TM) 1987-2001/Jun 08  
 (c) 2001 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2001/Jun 08  
 (c) 2001 The Gale Group  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc  
 File 16:Gale Group PROMT(R) 1990-2001/Jun 08  
 (c) 2001 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2001/Jun 08  
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 File 20:World Reporter 1997-2001/Jun 11  
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 \*File 20: Duplicate Detection is currently not working in file 20

Set Items Description

--- -----  
 ? s electronic (w) commerce

3311745 ELECTRONIC  
 2071648 COMMERCE  
 S1 338329 ELECTRONIC (W) COMMERCE  
 ? s1 and issuer (w) gateway

15240367 1  
 124409 ISSUER  
 345764 GATEWAY  
 1 ISSUER(W) GATEWAY  
 S2 0 1 AND ISSUER (W) GATEWAY  
 ? show files

File 15:ABI/Inform(R) 1971-2001/Jun 11  
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 File 9:Business & Industry(R) Jul/1994-2001/Jun 08  
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 File 623:Business Week 1985-2001/Jun W2  
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 File 810:Business Wire 1986-1999/Feb 28  
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 File 621:Gale Group New Prod.Annou.(R) 1985-2001/Jun 08  
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 File 813:PR Newswire 1987-1999/Apr 30  
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 File 160:Gale Group PROMT(R) 1972-1989  
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 File 148:Gale Group Trade & Industry DB 1976-2001/Jun 08  
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 File 20:World Reporter 1997-2001/Jun 11  
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 ? ds

Set	Items	Description
S1	338329	ELECTRONIC (W) COMMERCE
S2	0	1 AND ISSUER (W) GATEWAY

SYSTEM:OS - DIALOG OneSearch

File 77:Conference Papers Index 1973-2001/May  
(c) 2001 Cambridge Sci Abs

File 35:Dissertation Abs Online 1861-2001/Jun  
(c) 2001 ProQuest Info&Learning

File 583:Gale Group Globalbase(TM) 1986-2001/Jun 09  
(c) 2001 The Gale Group

File 65:Inside Conferences 1993-2001/Jun W1  
(c) 2001 BLDSC all rts. reserv.

\*File 65: CD=2000 and CY=2000 are not fully functioning.  
Please see Help News65 for details.

File 2:INSPEC 1969-2001/Jun W2  
(c) 2001 Institution of Electrical Engineers

File 233:Internet & Personal Comp. Abs. 1981-2001/Jun  
(c) 2001 Info. Today Inc.

File 99:Wilson Appl. Sci & Tech Abs 1983-2001/Apr  
(c) 2001 The HW Wilson Co.

Set	Items	Description
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? s electronic (w) commerce

	486120	ELECTRONIC
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	58212	COMMERCE
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S1	15902	ELECTRONIC (W) COMMERCE
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? s1 and issuer (w) gateway

	2322385	1
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	615	ISSUER
--	-----	--------

	12603	GATEWAY
--	-------	---------

	0	ISSUER(W) GATEWAY
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S2	0	1 AND ISSUER (W) GATEWAY
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SYSTEM:OS - DIALOG OneSearch

File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02

(c) 2001 THE NEW YORK TIMES

\*File 473: This file will not update after March 31, 2001.

It will remain on Dialog as a closed file.

File 474:New York Times Abs 1969-2001/Jun 09

(c) 2001 The New York Times

File 475:Wall Street Journal Abs 1973-2001/Jun 08

(c) 2001 The New York Times

Set	Items	Description
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? s electronic (w) commerce

	16460	ELECTRONIC
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	24585	COMMERCE
--	-------	----------

S1	491	ELECTRONIC (W) COMMERCE
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? s1 and issuer (w) gateway

	819288	1
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	195	ISSUER
--	-----	--------

	1248	GATEWAY
--	------	---------

	0	ISSUER (W) GATEWAY
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S2	0	1 AND ISSUER (W) GATEWAY
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SYSTEM:OS - DIALOG OneSearch

File 278:Microcomputer Software Guide 2001/May

(c) 2001 Reed Elsevier Inc.

File 634:San Jose Mercury Jun 1985-2001/Jun 08

(c) 2001 San Jose Mercury News

\*File 634: Certain records in this file are being removed at the publisher's request. See HELP NEWS634.

File 256:SoftBase:Reviews,Companies&Prods. 85-2001/May

(c)2001 Info.Sources Inc

\*File 256: Please note new price changes effective May 1, 2001.  
See Help Rates256 for details.

Set	Items	Description
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? s electronic (w) commerce

	33077	ELECTRONIC
--	-------	------------

	31463	COMMERCE
--	-------	----------

S1	1570	ELECTRONIC (W) COMMERCE
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? s1 and issuer (w) gateway

	508481	1
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	333	ISSUER
--	-----	--------

	4944	GATEWAY
--	------	---------

	0	ISSUER(W) GATEWAY
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S2	0	1 AND ISSUER (W) GATEWAY
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SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2001/May W02

(c) 2001 European Patent Office

File 349:PCT Fulltext 1983-2001/UB=20010607, UT=20010531

(c) 2001 WIPO/MicroPat

Set	Items	Description
---	-----	-----
? s electronic (w) commerce		
	147821	ELECTRONIC
	12274	COMMERCE
S1	1616	ELECTRONIC (W) COMMERCE
? s1 and issuer (w) gateway		
	1585134	1
	1333	ISSUER
	7394	GATEWAY
	2	ISSUER(W) GATEWAY
S2	1	1 AND ISSUER (W) GATEWAY
? show files		

File 348:EUROPEAN PATENTS 1978-2001/May W02

(c) 2001 European Patent Office

File 349:PCT Fulltext 1983-2001/UB=20010607, UT=20010531

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? show full files

>>>Invalid SHOW option: FULL

? full

>>>Unrecognizable Command



2/K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2001 WIPO/MicroPat. All rts. reserv.

00709650 \*\*Image available\*\*  
SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR FLEXIBLE BILLING OVER AN OPEN  
COMMUNICATION NETWORK  
SYSTEME, PROCEDE ET ARTICLE FABRIQUE DESTINES A UNE FACTURATION FLEXIBLE  
DANS UN RESEAU DE COMMUNICATION OUVERT  
Main International Patent Class: G06F-017/60;  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 23505

Fulltext Availability:  
Detailed Description  
Claims

#### English Abstract

...the computers. Then, digital certificates and a digital signature are exchanged to ensure that both parties are who they say they are. With an appropriate \*issuer\* gateway, the Newco can do an authorization routed directly to the issuer, without going through the acquirer.

#### Detailed Description

... a personal computer such as an IBM compatible personal computer, Apple Macintosh computer or UNIX based workstation. A representative hardware environment is depicted in Figure 1, which illustrates a typical hardware configuration of a workstation in accordance with a preferred embodiment having a central processing unit 10, such as a microprocessor, and a number of other units interconnected via a system bus 12. The workstation shown in Figure 1 includes a Random Access Memory (RAM) 14, Read Only Memory (ROM) 16, an I/O adapter 18 for connecting peripheral devices such as disk storage units 20 to the bus 12, a user interface adapter 22 for connecting a...Hypertext Markup Language - 2.0" (Nov. 1995); and R. Fielding, H. Frystyk, T. Berners-Lee, J. Gettys and J.C. Mogul, "Hypertext Transfer Protocol -- HTTP/1.1: HTTP Working Group Internet Draft" (May 2, 1996). HTML is a simple data format used to create hypertext documents that are portable from one platform...Transmission Control Protocol DARPA Internet Program Protocol Specification (RFC 793)" (September, 1981), and Information Sciences Institute, "Internet Protocol DARPA Internet Program Protocol Specification (RFC 791)" (September, 1981). In a preferred embodiment in accordance with the invention, the buyer or vendor computer system acts as a client and a computer system at Newco...key exchange message, buyer or vendor computer system transmits a finished message.

At this point, buyer or vendor computer system and Newco computer system have:

1) negotiated an encryption scheme that may be commonly employed in further communications, and 2) have communicated to each other a set of encryption keys that...representing the rate of return annualized for the secured debt instruments created by Newco for sale to the Financial

Institution in pools floated for sale.

1. Payment Authorization Request Generation Figure 1 depicts the detailed steps of generating and transmitting a payment authorization request. In function block ...number of relationships with financial institutions as well as with its vendors and customers. First, the financial relationships include one or more of the following:

1. A commercial account (usually a checking account) by which the business makes payments to its vendors and suppliers.
2. An interest-bearing account (such as...reasons why securitization of receivables could not be done by a financial institution that had enough business relationships. Thus, the following observations can be made:

1. If a financial institution could grant credit to a business based on assets of that business, and if the assets were of sufficiently low risk...debt instrument, the cash generated from the sale of the debt instrument could reliably fund the exercise of credit lines by the businesses in point 1 above.

The business entities and the business process flows of such a securitization activity are shown in Figure 11 and Figure 12. Figure 11 once...

...in advance of the payment due date that payment is requested by the business. Current payment options for a Buyer to pay a Vendor are:

1. Payment by check
  2. Payment by wiring of funds
  3. Payment by ACH (Automated Clearing House) transfer
  4. Payment by draft
- Only payment by draft...party to the transaction wishes to pay early or late, and which party wishes to receive payment early or late. In total, the possibilities are:

1. The Vendor may want early access to the money, by giving a small percentage of the amount to the party which is offering early payment...

...term line of credit (provided there is enough credit outstanding in the line to cover this payment).

So the case most commonly observed, case number 1 above, is only one specialization of a general set of cases that can occur when businesses try to optimize their cash flow. Case 1 is also the only case in which a ...a FlexiDraft, and then describe the relationships between the various entities and the steps taken in processing the FlexiDraft. The properties of a FlexiDraft are: 1. A FlexiDraft may be written by a Buyer, made payable to a Vendor in exchange for goods or services delivered. The FlexiDraft specifies an amount...for the next FlexiDraft to be issued by a Buyer in step 1799. Thus, the following benefits accrue from the actions taken in Figure 17:

1. Securitization of a pool of payables from a set of Buyers with good credit ratings, thus minimizing risk to investors.
2. Providing Vendors with early...as the left-hand side. After acceptance 1810, though, the Buyer immediately issues a FlexiDraft in step 1840. The Buyer chooses one of three actions:

1. Step 1841: Pay the FlexiDraft in  $n$  days, where  $n < \infty$ . In this case, the Buyer pays less than  $\$X$ , where the difference is the...off to 0% on the Payment Due Date. If the Buyer wishes to extend the payment terms, it may do so at rates that hit 1.5% after 60 days. In other words, the Buyer will pay 1.5% for extending payment by 30 days (from the 30 day due date to 60 days), or will pay an 50 annualized rate of slightly...same as the left-hand side. After acceptance 2110, though, the Vendor immediately receives a FlexiDraft (step 2140). The Vendor

chooses one of three actions:

1. Step 2141: Redeem the FlexiDraft in  $n$  days, where  $n < n$ . In this case, the Vendor receives less than  $\$X$ , where the difference is the ...of issue. The Cash Flow Wizard shows that, if the Vendor chooses to redeem the FlexiDraft immediately (i.e., on Transaction Date), it will pay 1.5% interest (this equates to an annualized rate of slightly more than 18%). This rate remains near 1.5% for the first 22 days of the payment schedule, and then falls very quickly for the remaining days, hitting 0% on the Payment Due Date. If the Vendor wishes to delay receipt of funds until after the Due Date, it may do so and earn interest rates that hit 1 % by 60 days after the Transaction Date. In other words, the Vendor will receive  $I\%$  for holding off on receiving payment for 30 days (from...percentage of time from start of tenns until the Vendor requests payment, then:

$$VV = vp*tt$$

So our multiplication term  $tt/(tt-vv)$  has become  $1/(I-vp)$ . Then the ROA, annually adjusted is:

$$(bp-vp)*(V+A) + (1-bp)*(V+B) \\ (1 - VP)$$

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Similarly, when  $vv$  is equal to or greater than  $bb$ , the annually adjusted ROA is:

$$(vp-bp)*(B-F) + (1-vp)*(V+B)$$

$$(1-bp)$$

By expressing the equations as percentages of time before a Buyer pays or a Vendor gets paid~ the same equations can model a group...

...in the scalar ec 2500 and also a matrix 2510 of the solutions for all values of  $vp$  and  $bp$  stepped from 0 to 0.1 increments. Note that:

1. The maximum ROA in the matrix occurs on the major diagonal of the matrix. In otherwords, in order to maximize ROA, a financial institution should seek...

...equals  $bp$ .

2. With the initial numbers in the spreadsheet, the ROA spreads are substantially above a typical financial insitution's aggregate ROA of approximately 1% to 1.5%, if on average the Vendors choose early payment 50% or earlier into the payment terms.

Tools to assist the Financial Institution in optimizing ROA...for conventional forms of on on-line payment, such as that provided by Open Financial eXchange (OFX), as described 61 in "Open Financial Exchange Specification 1.5," published by Microsoft Corporation on June 29, 1998 (incorporated herein by reference).

A preferred embodiment of the FlexiDraft payment instrument is done in electronic...etc., is not shown here. This example is for creating a FlexiDraft payment to "Widgets R Us" for \$10,321.98 to be on October 1, 1998, using funds in the originator's checking account. The request is bein on September 1, 1998, for payment in net 30 days. However, the Buyer is paying ServiceCo/FinCo in three days, rather than in 30 days, so according to...FD. PAYEE to bring it into the FlexiDraft namespace so a new field named FD. EMAIL could be added. This is because the OFX version 1.5 specification does not provide for an email address to be associated with a payee, and this information is necessary for ServiceCo to inform the...

Claim

## CLAIMS

What is claimed is:

1. A method for creating a draft with one or more payment terms, comprising the steps of.

(a) retrieving a plurality of terms from a storage...

...dynamically adjusting the terms based on payment timings.

2. A method for creating a draft with one or more payment terms as recited in claim 1, including the step of adjusting the terms based on whether a payment was received early, on time or late.

3. A method for creating a...

...payment was received early, on time or late.

4. A method for creating a draft with one or more payment terms as recited in claim 1, including the step of adjusting the terms based on when the draft is cashed by a vendor.

5. A method for creating a draft with...

...draft was cashed early, on time or late.

6. A method for creating a draft with one or more payment terms as recited in claim 1, wherein the terms emulate a deposit account.

7. A method for creating a draft with one or more payment terms as recited in claim 1, wherein the terms emulate a payment instrument.

8. A method for creating a draft with one or more payment terms as recited in claim 1, including the step of utilizing a digital signature to secure the draft.

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9. A method for creating a draft with one or more payment...

**WEST**[Generate Collection](#)**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: KR 2000048436 A, EP 1017030 A2, JP 2000194770 A

L1: Entry 1 of 1

File: DWPI

Jul 25, 2000

DERWENT-ACC-NO: 2000-573533

DERWENT-WEEK: 200116

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TITLE: Four party credit and debit payment protocol allowing issuers active role in each payment for performing electronic transactions uses thin consumer's wallet adds issuer gateway and moves card authorization from merchant to issuer

Full	Title	CIT:1	REV:1	CLS:1	REF:1	DRAW:1

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Terms	Documents
(issuer near3 gateway)	1














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